R E M A R K S

Upon entry of this Response: claims 19-21 and 25 will be amended; claims 1-18, 22, 26, and 29-30 will be canceled; and claims 31-47 will be newly added. Thus, claims 19-21, 23-25, 27-28, and 31-47 will be pending in the application. No new matter has been added. Reconsideration and further examination are respectfully requested in view of the following Remarks.

As a preliminary matter, the previously pending Abstract was objected to as lacking a concise statement of the technical disclosure of the invention. The Abstract has been amended in view of the Examiner's helpful comments.

In addition, the Specification was objected to for containing an improper embedded hyperlink. The reference to the hyperlink has been removed and reconsideration of this objection is respectfully requested.

The previously pending claims 1-18 and 29-30 were rejected under 35 USC 101 as being directed to non-statutory subject matter. Newly added claim 31-47 have been drafted with the Examiner's helpful comments in mind. These claims are not directed to a mere structure of data (*e.g.*, the method of claim 31 recites "establishing" a data structure in a memory unit, producing an index value, and "storing" an entry into the data structure using the value). Moreover, newly added claim 46 recites "transmitting information through a communication port in accordance with entries stored in the data structure." Reconsideration of the 35 USC 101 rejection is respectfully requested.

Moreover, all previously pending claims were rejected under 35 USC 112, second paragraph, for failing to particularly point out and distinctly claim the subject matter which Applicant regards as his invention.

The claims have been amended in view of the Examiner's helpful comments. By way of example, claim 19 has been amended to:

- explicitly define N as "an integer representing the total number of slots in the table,"
- make it clear that x is a value such that N is further "expressible as a power of two with an integer exponent x,"
- explicitly define L as "an integer representing a number of slots that already contain entries," and
- remove the reference to L'.

As a result, Applicant respectfully requests reconsideration of the 35 USC 112, second paragraph, rejections.

C O N C L U S I O N

Accordingly, Applicants respectfully request allowance of the pending claims. If any issues remain, or if the Examiner has any further suggestions for expediting allowance of the present application, the Examiner is kindly invited to contact the undersigned via telephone at (203) 972-0191.

Respectfully submitted,

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    Date

  /Patrick J. Buckley/
Patrick J. Buckley
Registration No. 40,928
Buckley, Maschoff & Talwalkar LLC
Attorneys for Intel Corporation
50 Locust Avenue
New Canaan, CT 06840
(203) 972-0191